Claims

[c1]   1. An interactive computer-assisted language learning method implemented using a language learning system, the method comprising:

the language learning system pronouncing a first sentence according to a first acoustic signal stored inside the language learning system;

a learner producing a first pronunciation by imitating the pronunciation produced by the language learning system so that a first pronunciation signal is recorded by the language learning system;

the language learning system comparing the first acoustic signal with the first pronunciation signal to record and output a first compared result;

the learner producing a second pronunciation according to the first compared result so that the a second pronunciation signal is recorded by the language learning system;

the language learning system comparing the first acoustic signal with the second pronunciation signal to record and output a second compared result; and

the language learning system analyzing and summarizing the first and the second compared result to provide a

comment to the learner as a reference.

[c2] 2. The method of claim 1, wherein the method further comprises permitting the learner to select a desired learning program so that the first sentence is the first sentence of the selected learning program.

[c3] 3. The method of claim 2, wherein the step of selecting the desired learning program comprises inputting a voice command.

[c4] 4. The method of claim 2, wherein the step of selecting the desired learning program comprises inputting a textual command.

[c5] 5. The method of claim 1, wherein the method further comprises the step of:
the language learning system outputting the pronunciation of a plurality of second sentences according to second acoustic signals stored inside the language learning system, wherein all the second sentences belong to a group having a pronunciation that can easily confuse with the pronunciation of the first sentence.

[c6] 6. The method of claim 1, wherein the method further comprises the step of:
the language learning system outputting full sentences, synonyms and phrases related to the pronunciation of

the first sentence.

[c7]   7. The method of claim 1, wherein the comment is presented to the learner by displaying text on a screen or vocalizing the commenting words.

[c8]   8. The method of claim 1, wherein the method further comprises the language learning system designing a vocal training program according to the recorded first and second compared result.

[c9]   9. A language learning system, comprising:
a voice recognition engine for recognizing the pronunciation of a plurality of first sentences produced by a learner and outputting a first pronunciation signal corresponding to each pronunciation of the first sentence;
a database for holding a plurality of first acoustic signals with each first acoustic signal corresponding to a pronunciation of the first sentence;
an analysis/processing unit connected to the voice recognition engine and the database for comparing the first pronunciation signals output from the voice recognition engine and the first acoustic signals retrieved from the database to produce and output a compared result, outputting a comment to the learner according to the compared result, and designing a special program for training the pronunciation of the learner; and

a voice-synthesizing unit connected to the analysis/ processing unit for converting the first sentence output from the database into a vocal sound.

[c10]   10. The language learning system of claim 9, wherein the system further comprises a learning interface con- nected to the voice recognition engine and the voice- synthesizing unit for receiving a command from the learner and sending the command to the analysis/ processing unit so that the analysis/processing unit se- lects part of the acoustic signals from the database ac- cording to the command to produce a learning program and present the program on the learning interface.

[c11]   11. The language learning system of claim 10, wherein the command comprises a voice command or a textual command.

[c12]   12. The language learning system of claim 11, wherein the voice command is converted into a textual command after the voice recognition engine has recognized the voice command.

[c13]   13. The language learning system of claim 9, wherein the database further holds full sentences, phrases and synonyms that are closely related to each first sentence.

[c14]   14. The language learning system of claim 9, wherein

the database further holds a plurality of second acoustic signals each corresponding to the pronunciation of a second sentence such that the pronunciation of each second sentence is similar to the pronunciation of the first sentence.

[c15]   15. The language learning system of claim 9, wherein the first sentence is a single word, a phrase or a full sentence.